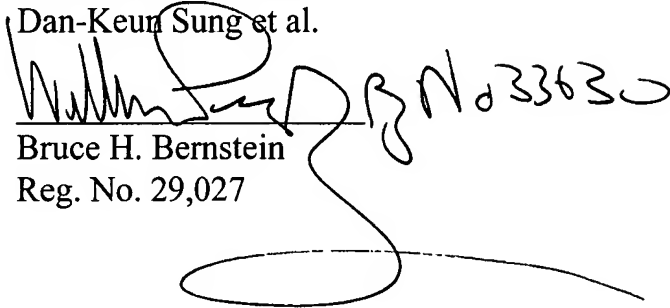


Should the Examiner have any questions or comments about the above, he is respectfully requested to contact the undersigned at the below-listed telephone number.

July 2, 2002  
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Respectfully submitted,  
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Bruce H. Bernstein  
Reg. No. 29,027

**MARKED-UP COPY OF THE CLAIMS**

1. (Amended) A method for multi-dimensional orthogonal resource hopping multiplexing communication comprising a digital communication system that includes a primary communication station and secondary communication stations and a multi-dimensional orthogonal resource hopping multiplexing system allowing collision among multi-dimensional orthogonal resource hopping patterns within some data symbol durations for statistical multiplexing of the synchronous communication channels from said primary communication station to the secondary communication stations.

3. (Amended) The method for multi-dimensional orthogonal resource hopping multiplexing communication as claimed in claim 1,

wherein said channels [can be distinguished] are configured to be distinguishable through hopping multi-dimensional orthogonal resource coordinates for synchronous communication channels from said primary communication station to a plurality of secondary communication stations.

59. (Amended) An apparatus for multi-dimensional orthogonal resource hopping multiplexing communication allowing collision among multidimensional orthogonal resource hopping patterns within some data symbol durations comprising a digital

communication system for multi-dimensional orthogonal resource hopping multiplexing which operates with two exclusive orthogonal resource groups comprising[;]:

a first orthogonal resource group comprising orthogonal resources only for a division multiplexing by fixed and exclusive allocation of orthogonal resources

a second orthogonal resource group comprising orthogonal resources only for a statistical multiplexing through orthogonal resource hopping.